

## **Laura GIANNOTTI – CV**

Laura Giannotti is a biotechnologist with a Ph.D. in Biological and Environmental Sciences and Technologies. She has expertise in studying the molecular mechanisms underlying cellular differentiation processes and neuroinflammatory responses. Currently, she is a type A researcher, and her interests are primarily focused on the responses of cell cultures following the administration of toxic and antioxidant substances. Additionally, she is interested in the differentiation process starting from peripheral blood cells. A major advance in regenerative medicine has been the development of autologous platelet concentrates, which are derived from a patient's own blood. Among these, concentrated growth factors (CGF) play an important role. The study of a biomaterial such as CGF, both from a structural and functional point of view, has been of interest to her as a new strategy in regenerative medicine and in osteogenic differentiation processes. Her scientific activities have been conducted at the national level within the Molecular Biology group at the University of Salento and in collaboration with groups from different sectors.